

**AMENDMENT AND PRESENTATION OF CLAIMS**

Please replace all prior claims in the present application with the following claims, in which claims 1, 3, 7, and 10 are currently amended, and claims 12-17 are newly presented.

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1. (Currently Amended) A method for synchronous change data capture, comprising the steps of:

generating a transaction identifier that uniquely identifies a transaction;

for each operation in a transaction, recording change data for the operation and the transaction identifier in a first database object; and

during a commit of the transaction, recording the transaction identifier and a system change number in a second database object, wherein the system change number indicates a timing of the commit that is later than a previously committed transaction.

2. (Original) A method according to claim 1, further comprising the step of:

recording an identifier to identify a relative ordering of each operation in the transaction.

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3. (Currently Amended) A method according to claim 1, further comprising, during the commit of the transaction, the steps of:

obtaining a concurrency lock;

after obtaining the concurrency lock, generating the system change number and performing said recording the transaction identifier and the system change number in the second database ~~table~~ object, and concluding the commit; and

after said recording the transaction identifier and the system change number in the second database ~~table~~ object, releasing the concurrency lock.

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4. (Original) A method according to claim 1, wherein the first database object comprises a change table and the second database object comprises a transaction table.

5. (Original) A method according to claim 1, further comprising the step of:  
associating the change data in the first database object with the system change number in the second database object based on the transaction identifier.

6. (Original) A computer-readable medium bearing instructions for synchronous change data capture, said instructions arranged, upon execution, to cause one or more processors to perform the steps of the method according to claim 1.

34 7. (Currently Amended) A method for processing synchronously captured change data, comprising:

~~accessing a first database object comprising change data for an operation performed within a transaction and a transaction identifier that uniquely identifies the transaction;~~

~~accessing a second database object comprising the transaction identifier and a system change number; and~~

~~associating the change data in the first database object with the system change number in the second database object based on the transaction identifier, wherein the system change number is recorded during a commit of the transaction and indicates a timing of the commit of the transaction that is later than a previously committed transaction.~~

8. (Original) A method according to claim 7, wherein the step of associating includes performing a database join operation on the first database object and the second database object.

9. (Original) A computer-readable medium bearing instructions for synchronous change data capture, said instructions arranged, upon execution, to cause one or more processors to perform the steps of the method according to claim 7.

10. (Currently Amended) A method for synchronous change data capture, comprising the steps of:

generating a transaction identifier that uniquely identifies a transaction;

for each operation in a transaction, recording change data for the operation and the transaction identifier in a change table; and

during a commit of the transaction, performing the steps of:

obtaining a concurrency lock;

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after obtaining the concurrency lock, generating a system change number indicating a timing of the commit of the transaction that is later than a previously committed transaction and recording the transaction identifier and the system change number in the second a database table; and

after said recording the transaction identifier and the system change number in the ~~second~~ database table, releasing the concurrency lock.

11. (Original) A computer-readable medium bearing instructions for synchronous change data capture, said instructions arranged, upon execution, to cause one or more processors to perform the steps of the method according to claim 10.

12. (New) A method according to claim 10, wherein the system change number indicates an event occurring between said obtaining the concurrency lock and said releasing the concurrency lock.

13. (New) A method according to claim 12, wherein the system change number indicates an event occurring before the commit of the transaction.

14. (New) A method according to claim 10, further comprising generating a commit system change number for the transaction that is later than the system change number.

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15. (New) A method according to claim 3, wherein the system change number indicates an event occurring between said obtaining the concurrency lock and said releasing the concurrency lock.

16. (New) A method according to claim 1, wherein the system change number indicates an event occurring before the commit of the transaction.

17. (New) A method according to claim 1, further comprising generating a commit system change number for the transaction that is later than the system change number.

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